

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066934.D
 Acq On : 29 Sep 2020 13:06
 Operator : VA/SY
 Sample : L4173-01
 Misc : 4.73G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-(3FT)

Quant Time: Sep 30 02:35:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	730338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	751531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	209140	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.91	113	234176	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.34	98	893385	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.63	95	320303	59.10	ug/l	0.00
Spiked Amount			Recovery	=	118.20%	

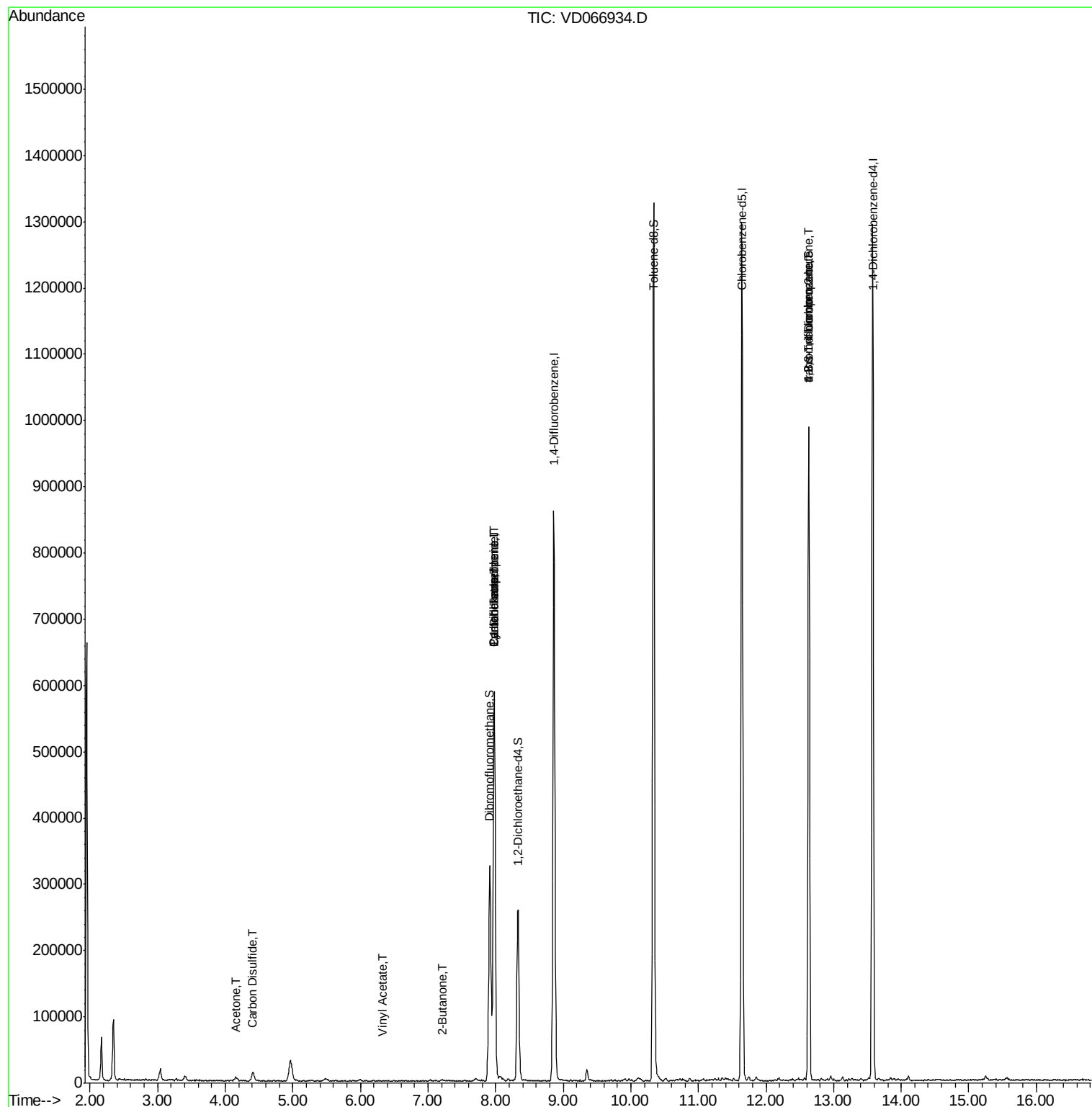
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	859	Below Cal	#	46
11) Tert butyl alcohol	5.24	59	74	Below Cal	#	72
16) Acetone	4.16	43	9013	10.188	ug/l	99
17) Carbon Disulfide	4.41	76	27388	2.147	ug/l #	92
18) Methyl Acetate	4.71	43	277	Below Cal	#	90
20) Methylene Chloride	4.97	84	23813	Below Cal		95
23) Vinyl Acetate	6.33	43	112	2.688	ug/l #	71
25) 2-Butanone	7.21	43	1992	1.874	ug/l #	46
31) Cyclohexane	7.99	56	12410	1.637	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	32580	4.497	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45515	5.746	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	165547	58.615	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	165547	146.649	ug/l #	10

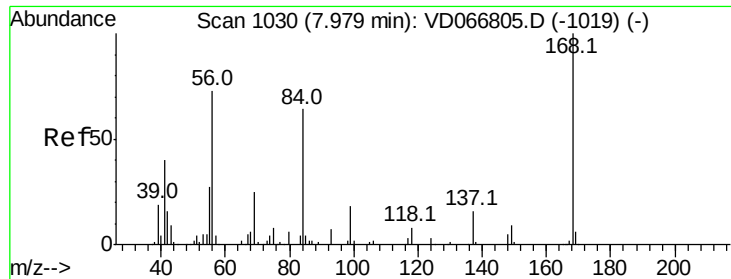
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

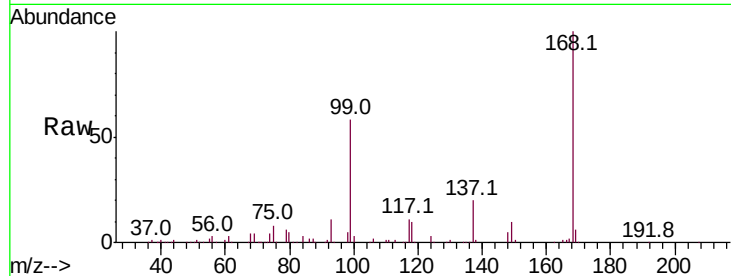
TP-1-(3FT)

Tot Ion:168 Resp: 426091

Ion Ratio Lower Upper

168 100

99 57.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

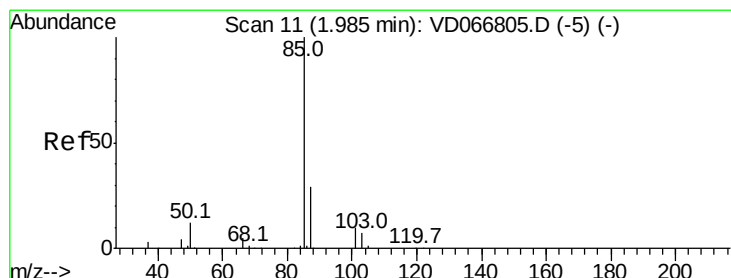
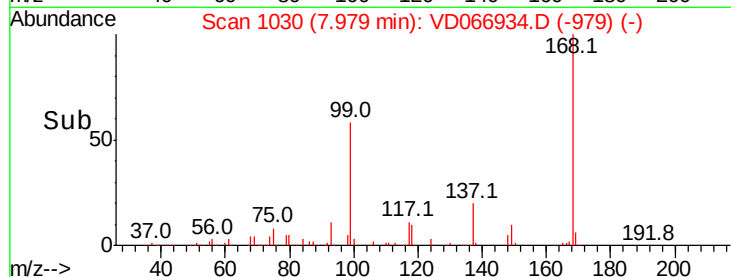
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066934.D

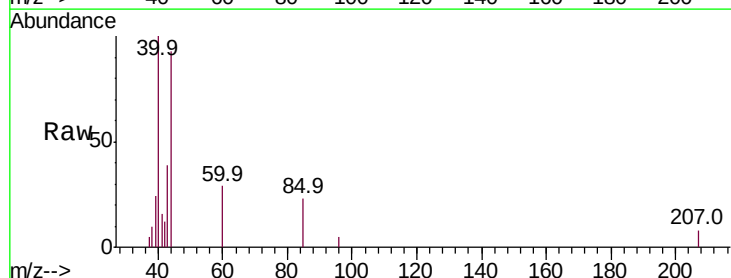
Acq: 29 Sep 2020 13:06

Tgt Ion: 85 Resp: 859

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

600

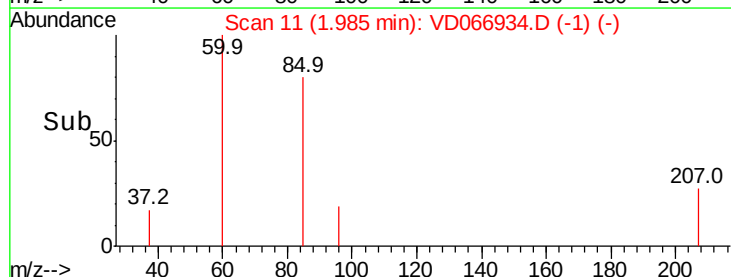
400

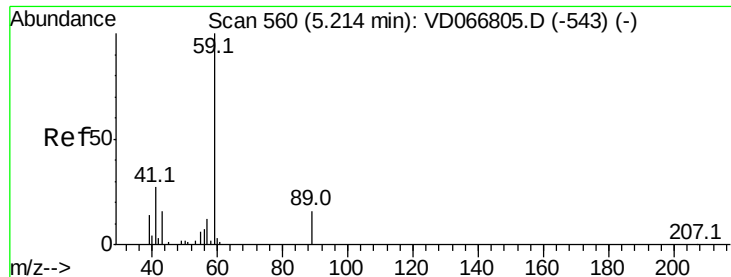
200

0

Time-->

1.96 1.98 2.00 2.02

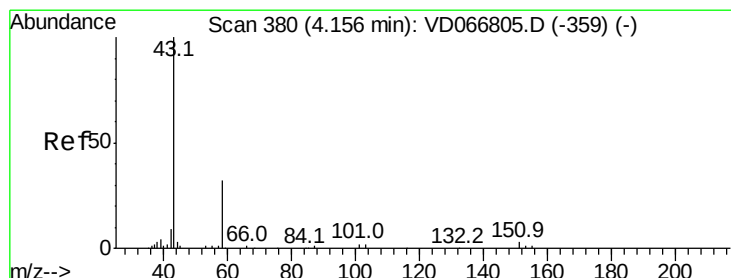
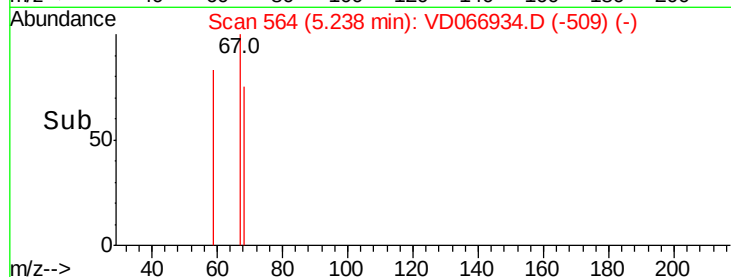
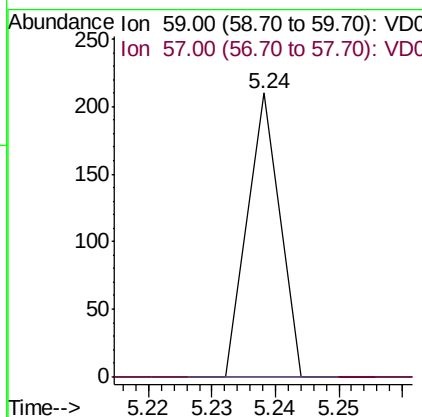
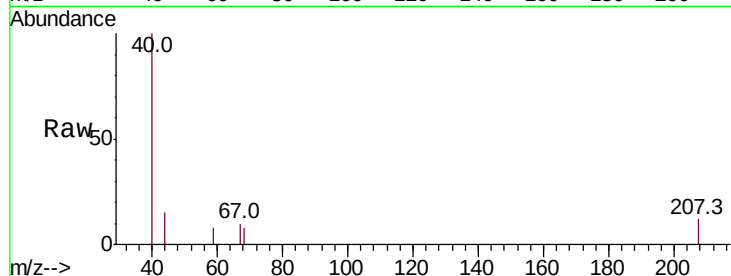




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

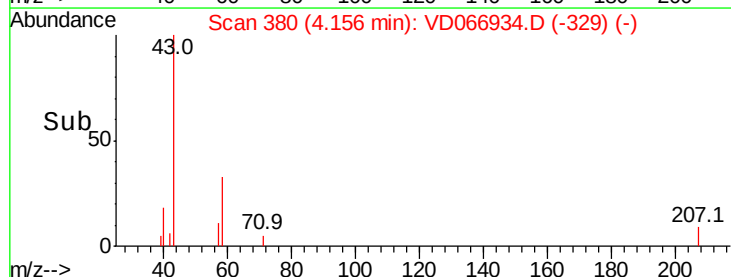
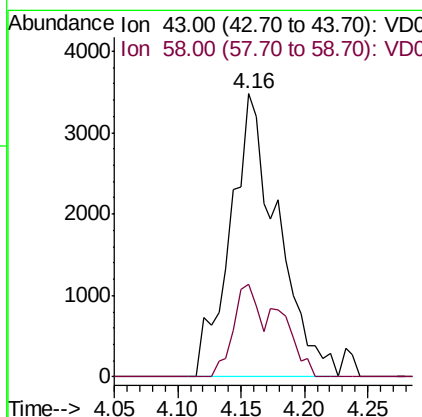
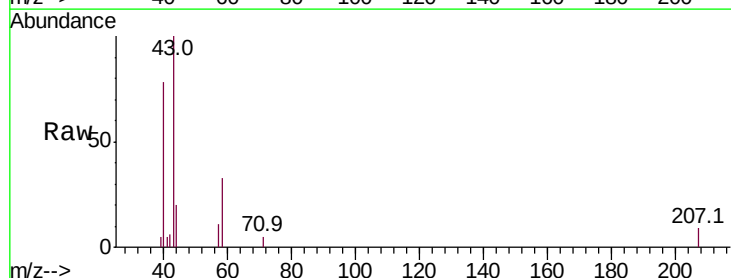
Instrument :
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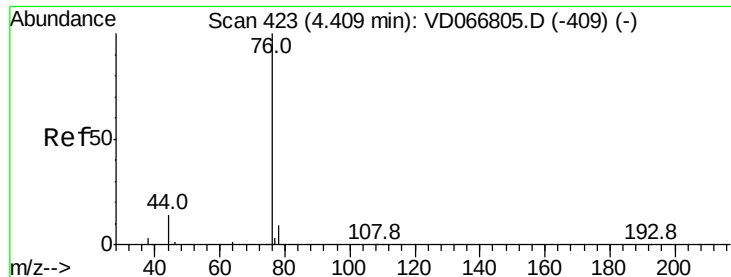
Tot Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 10.188 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

Tgt Ion: 43 Resp: 9013
Ion Ratio Lower Upper
43 100
58 32.6 25.6 38.4





#17

Carbon Disulfide

Concen: 2.147 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

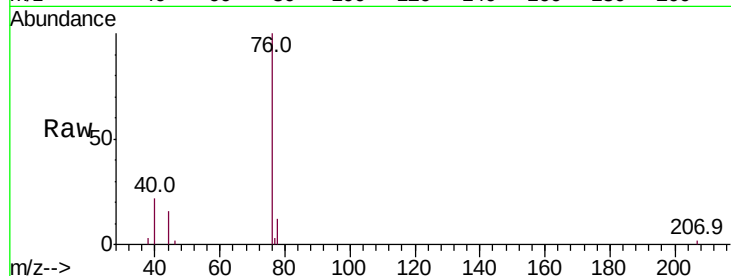
TP-1-(3FT)

Tot Ion: 76 Resp: 27388

Ion Ratio Lower Upper

76 100

78 12.5 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

10000

8000

6000

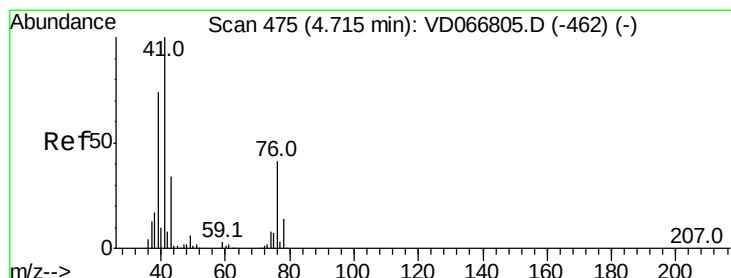
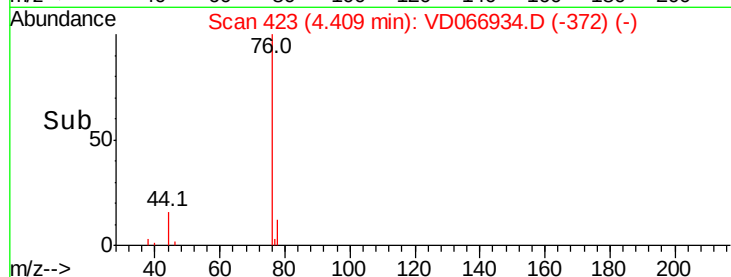
4000

2000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066934.D

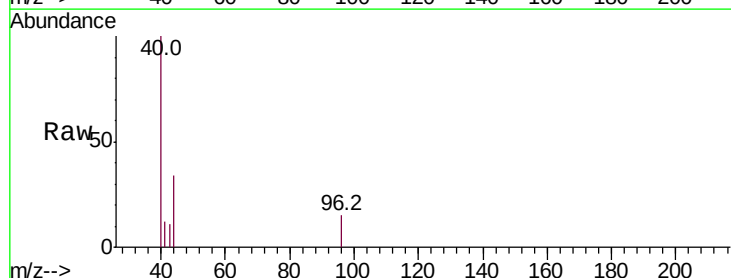
Acq: 29 Sep 2020 13:06

Tgt Ion: 43 Resp: 277

Ion Ratio Lower Upper

43 100

74 20.2 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

250

200

150

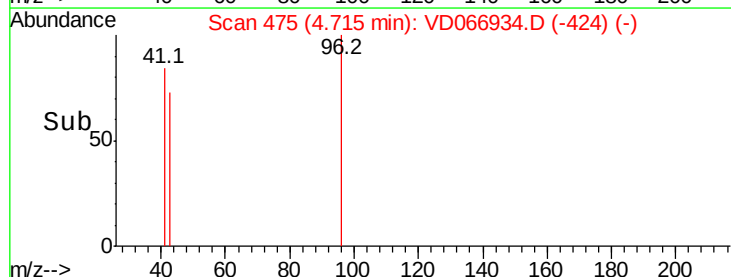
100

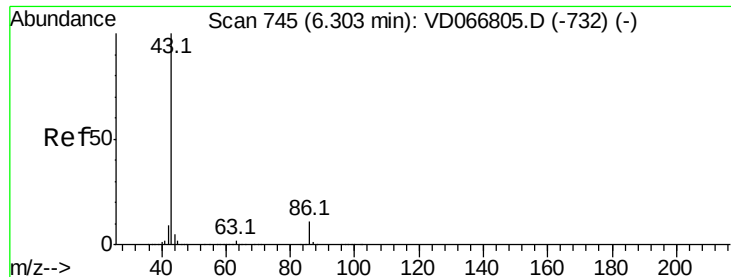
50

0

Time-->

4.70 4.72 4.74





#23

Vinyl Acetate

Concen: 2.688 ug/l

RT: 6.33 min Scan# 749

Delta R.T. 0.02 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

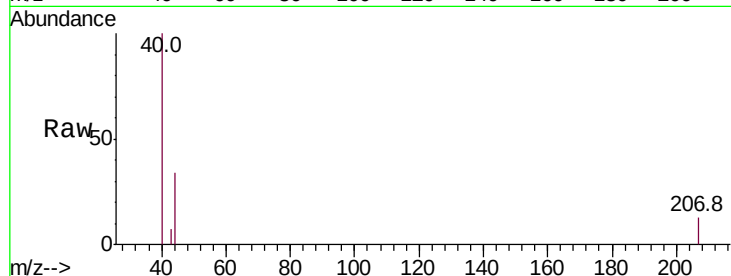
TP-1-(3FT)

Tot Ion: 43 Resp: 112

Ion Ratio Lower Upper

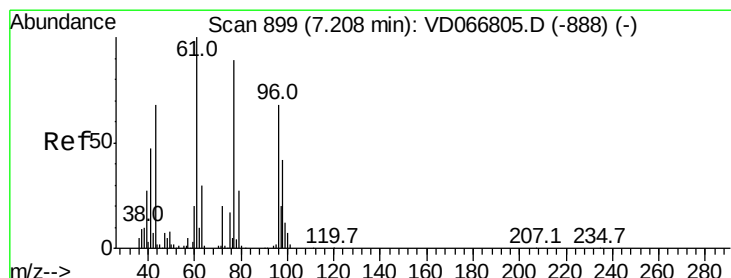
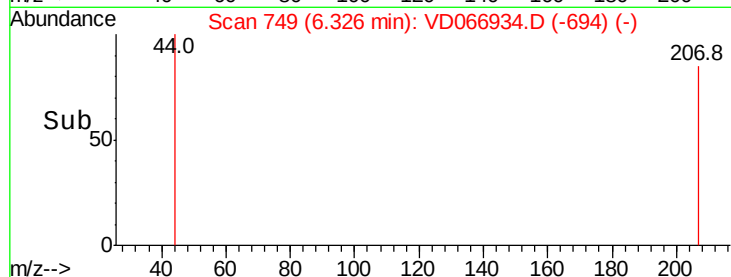
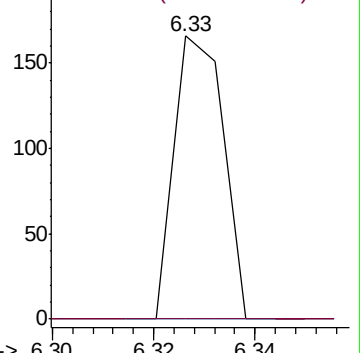
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 1.874 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066934.D

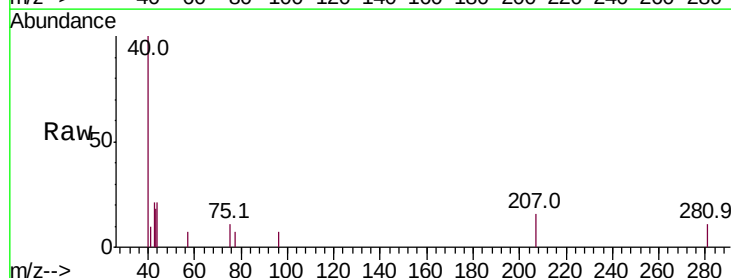
Acq: 29 Sep 2020 13:06

Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

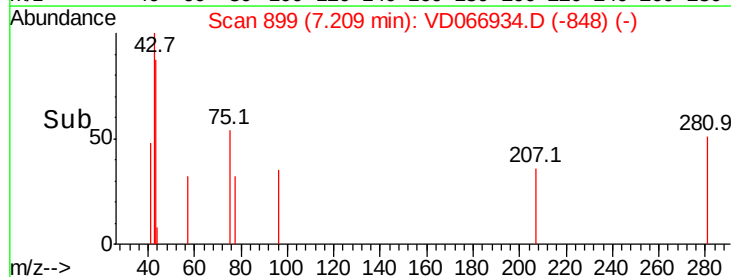
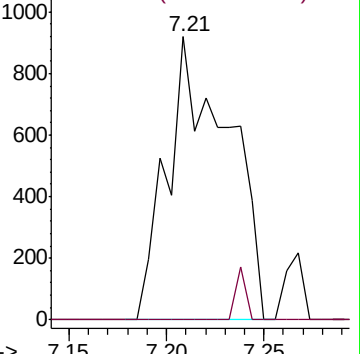
43 100

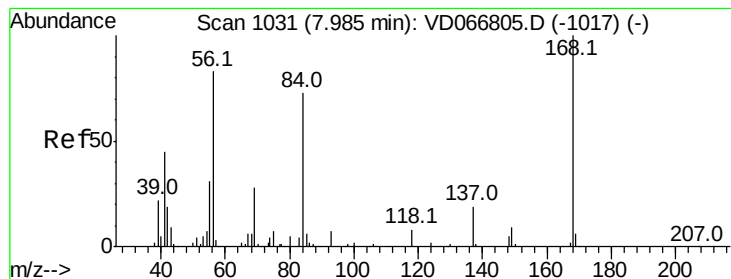
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.637 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

TP-1-(3FT)

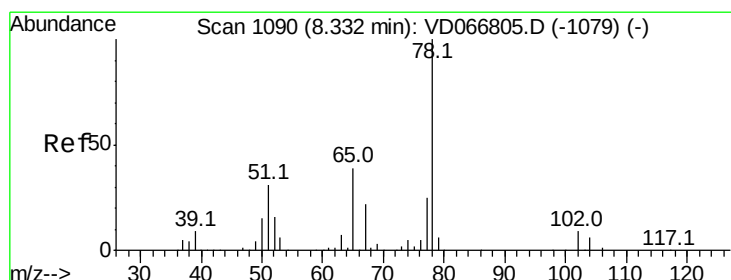
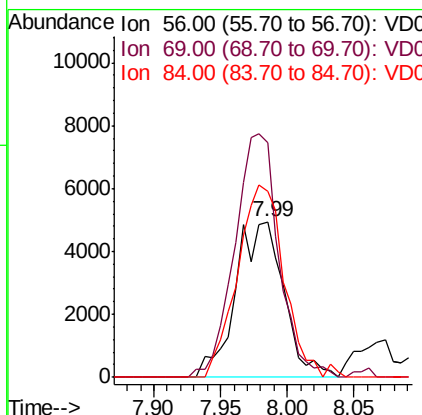
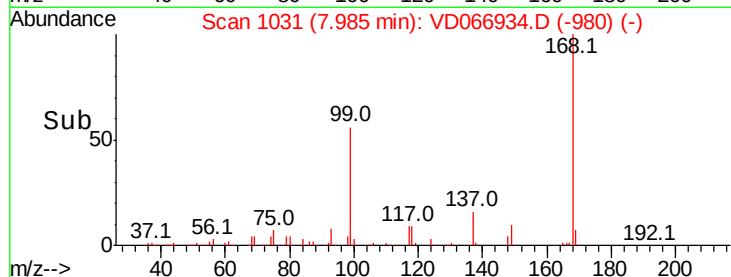
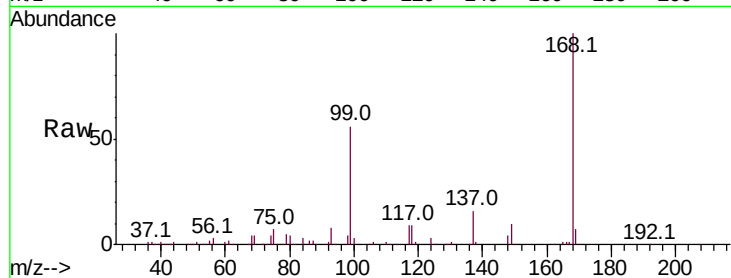
Tot Ion: 56 Resp: 12410

Ion Ratio Lower Upper

56 100

69 150.3 27.0 40.4#

84 119.2 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 50.149 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066934.D

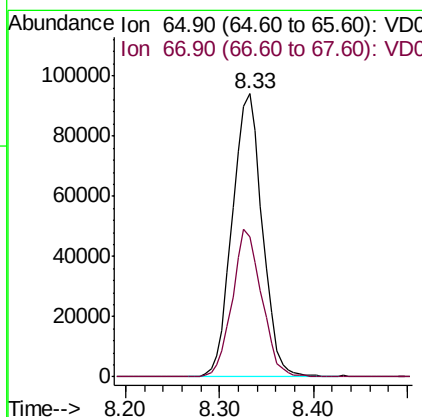
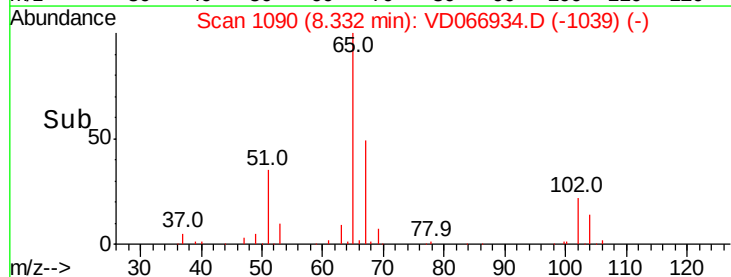
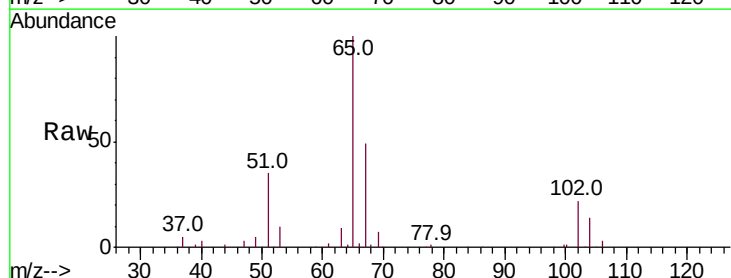
Acq: 29 Sep 2020 13:06

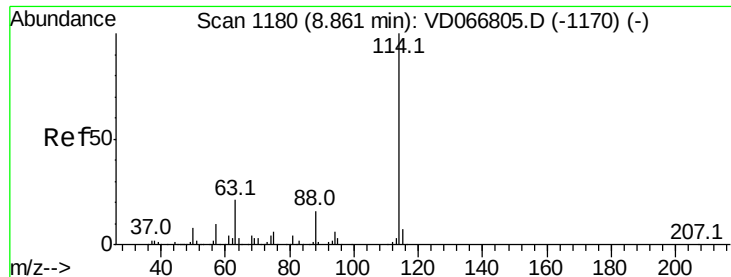
Tgt Ion: 65 Resp: 209140

Ion Ratio Lower Upper

65 100

67 51.0 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

TP-1-(3FT)

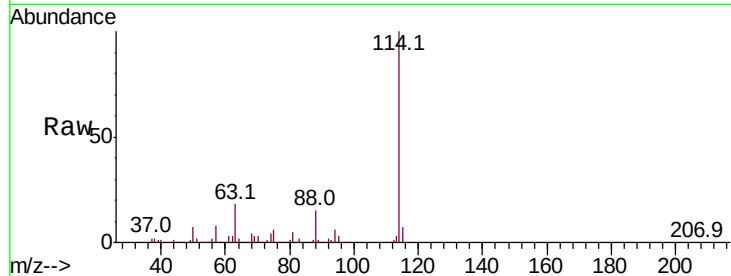
Tot Ion:114 Resp: 730338

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.6

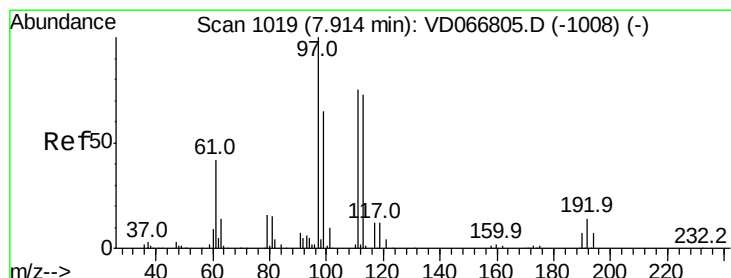
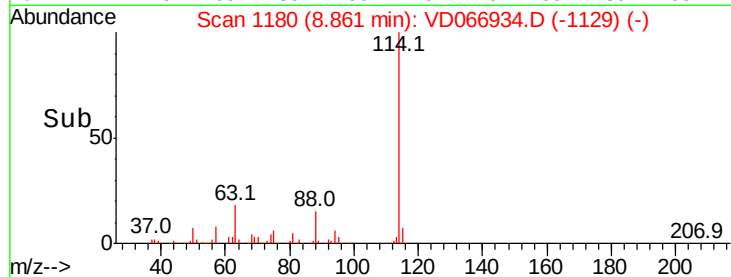
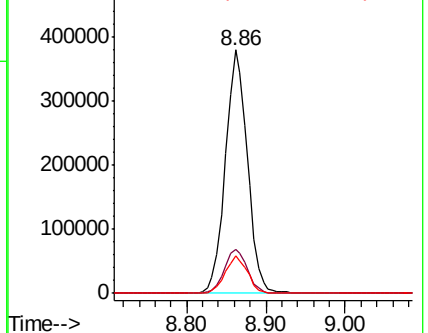
88 15.2 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.399 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

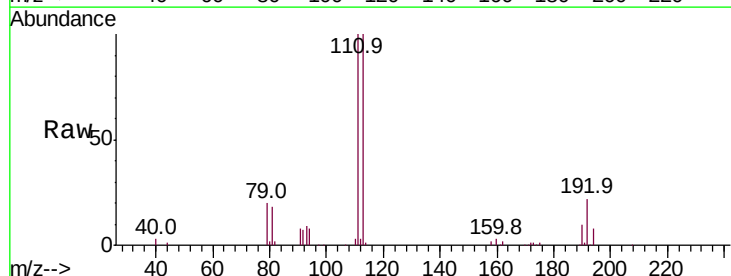
Tgt Ion:113 Resp: 234176

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

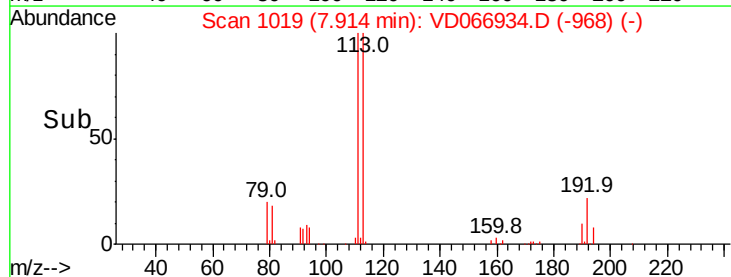
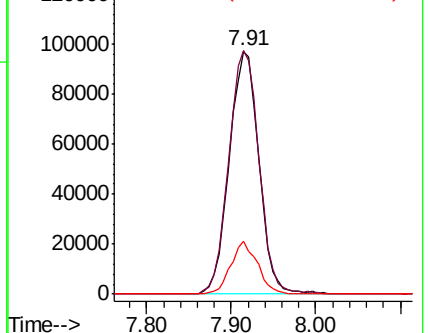
192 19.6 14.4 21.6

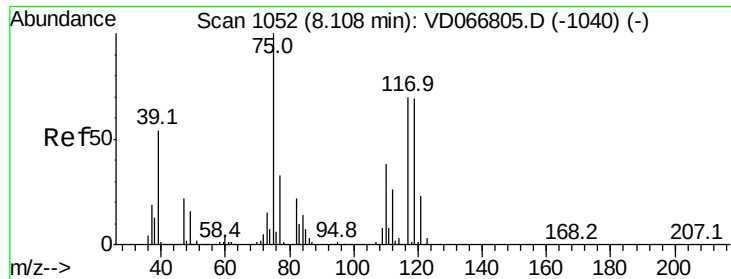


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

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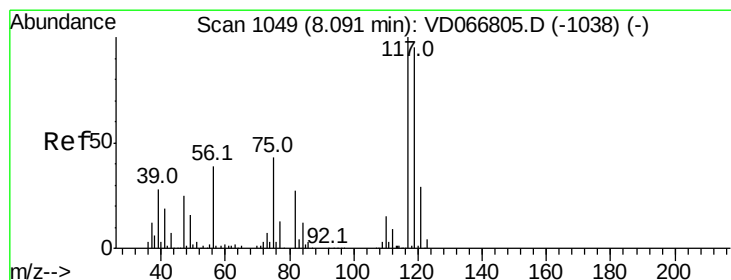
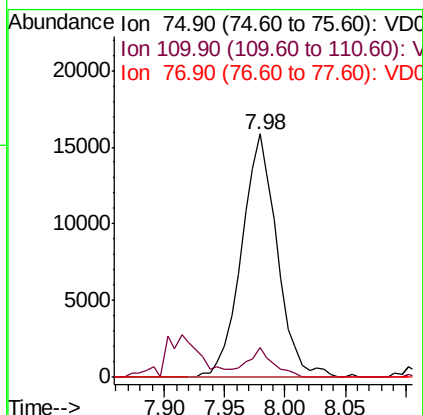
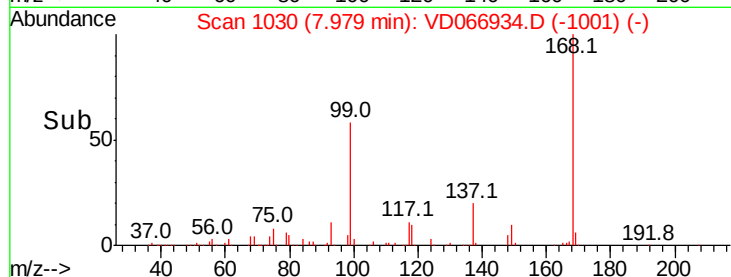
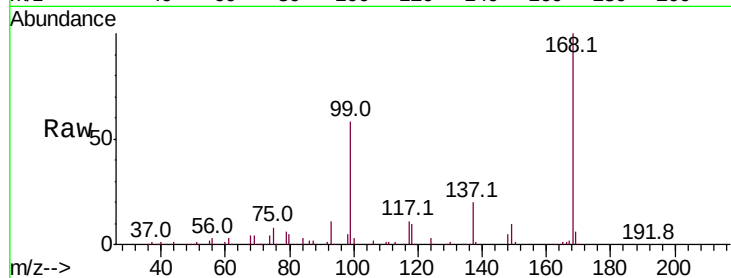
Tot Ion: 75 Resp: 32580

Ion Ratio Lower Upper

75 100

110 8.9 17.9 53.8#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.746 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066934.D

Acq: 29 Sep 2020 13:06

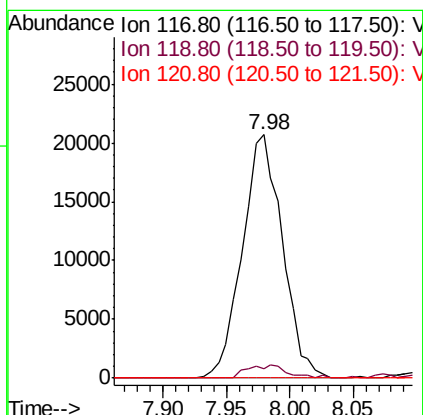
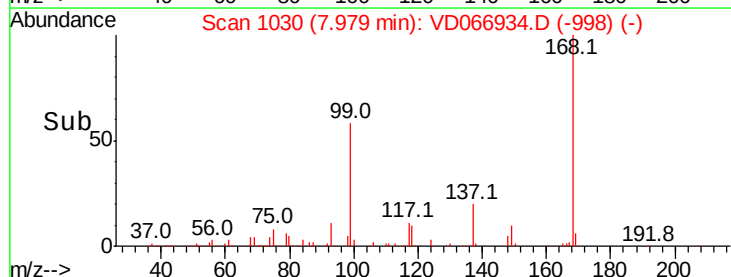
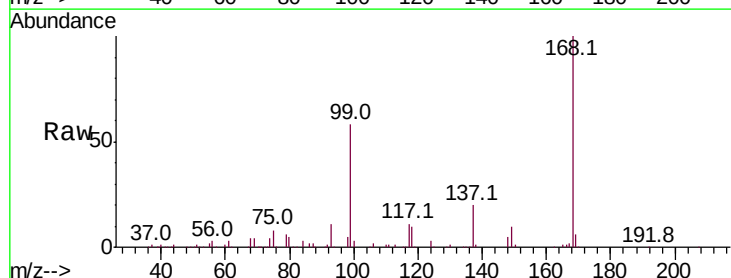
Tgt Ion: 117 Resp: 45515

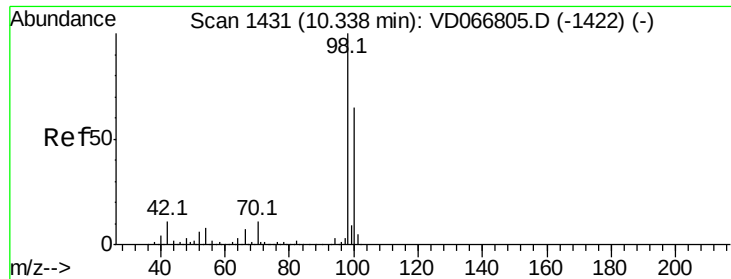
Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

121 0.0 23.4 35.0#

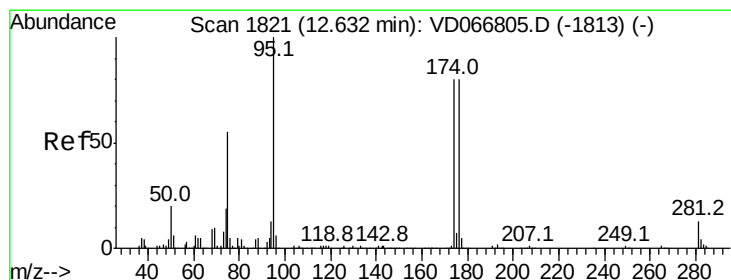
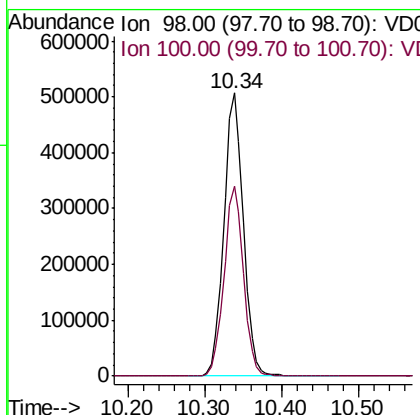
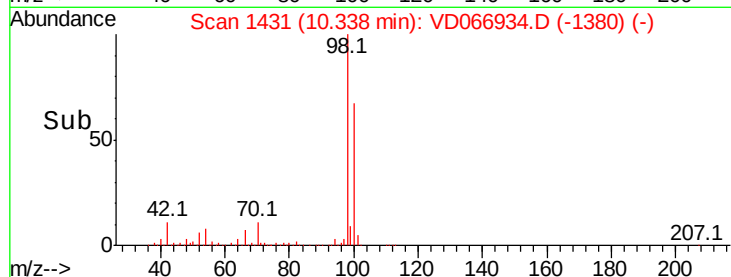
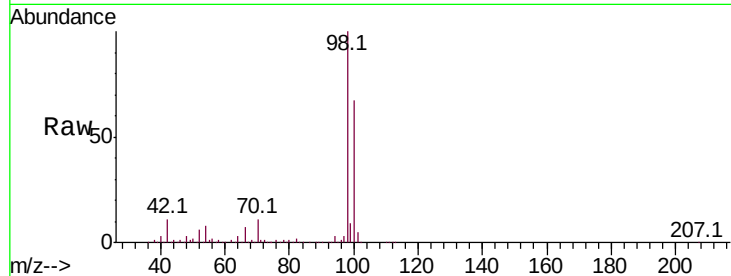




#50
Toluene-d8
Concen: 56.432 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

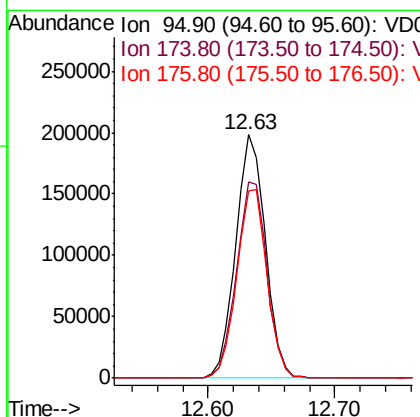
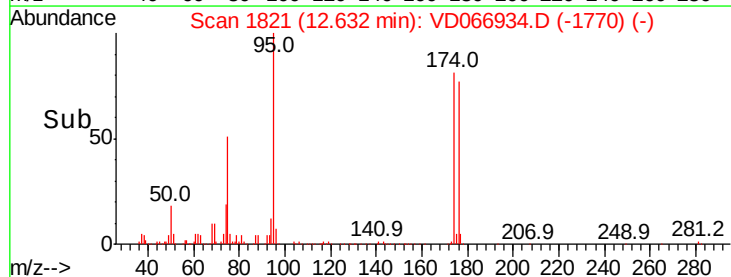
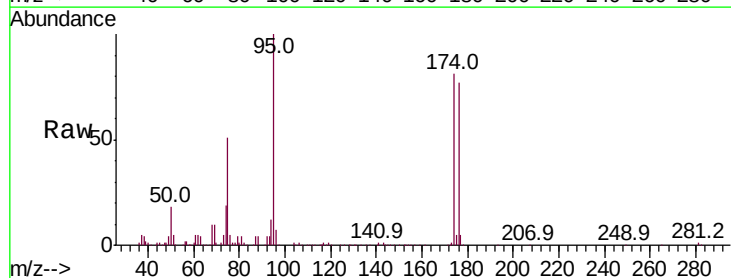
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(3FT)

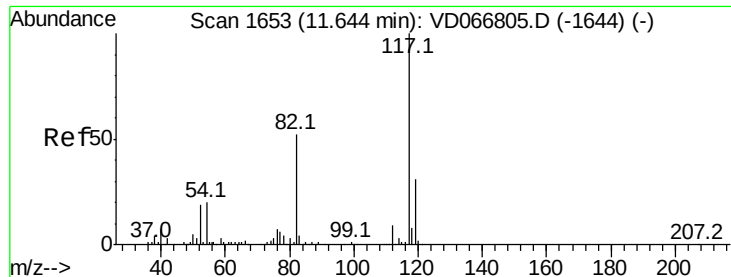
Tot Ion: 98 Resp: 893385
Ion Ratio Lower Upper
98 100
100 66.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 59.101 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

Tgt Ion: 95 Resp: 320303
Ion Ratio Lower Upper
95 100
174 82.5 0.0 159.8
176 78.9 0.0 154.4

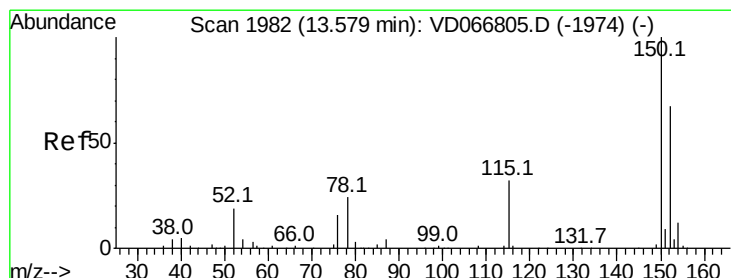
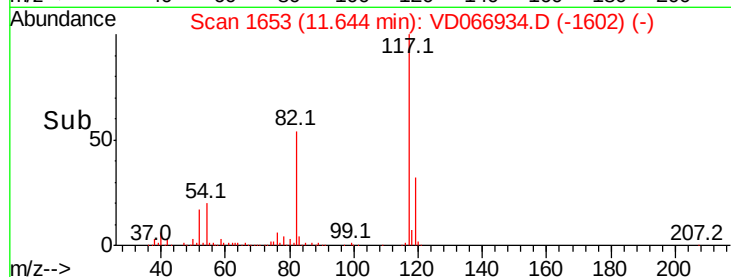
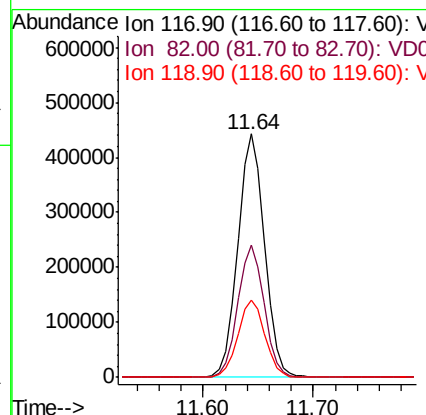
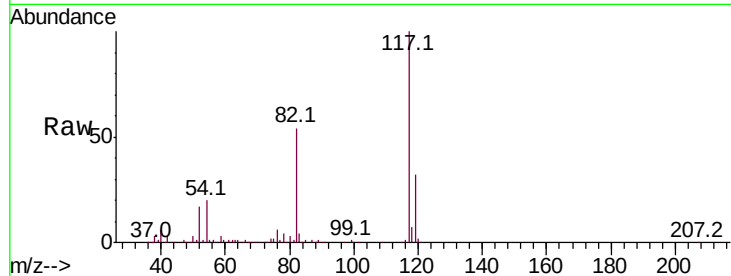




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

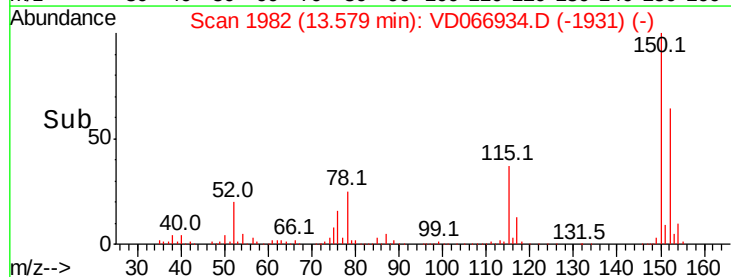
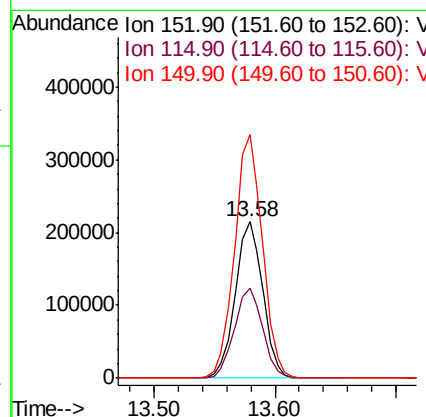
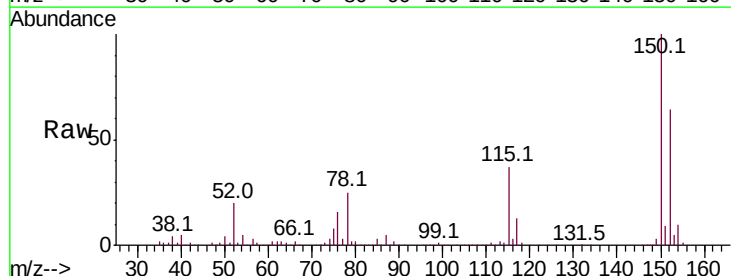
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(3FT)

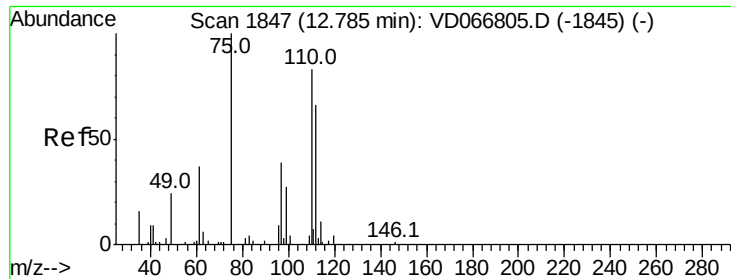
Tot Ion:117 Resp: 751531
Ion Ratio Lower Upper
117 100
82 54.4 41.8 62.6
119 31.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066934.D
Acq: 29 Sep 2020 13:06

Tgt Ion:152 Resp: 340806
Ion Ratio Lower Upper
152 100
115 58.9 30.3 91.0
150 157.1 0.0 346.2

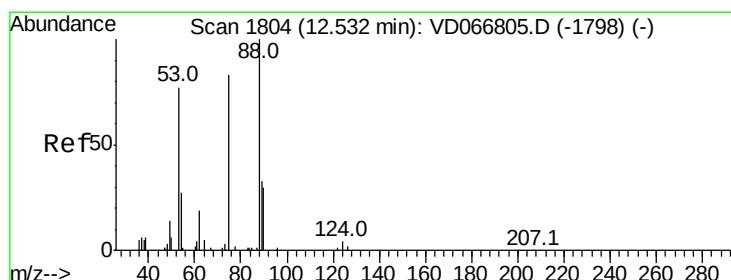
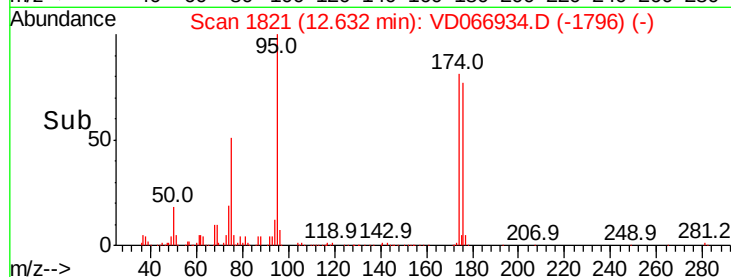
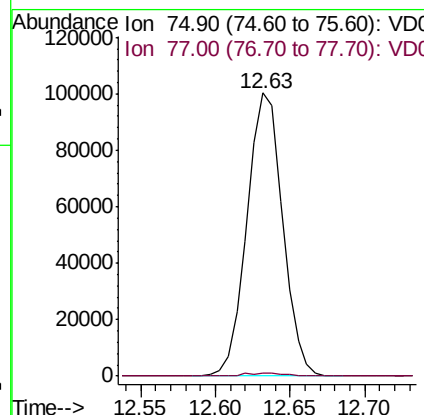
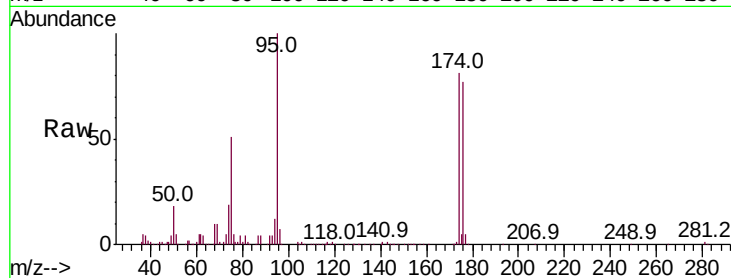




#76
 1,2,3-Trichloropropane
 Concen: 58.615 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066934.D
 Acq: 29 Sep 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-(3FT)

Tot Ion: 75 Resp: 165547
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.649 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066934.D
 Acq: 29 Sep 2020 13:06

Tgt Ion: 75 Resp: 165547
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 38.1 57.1#

